PATENT ABSTRACTS OF JAPAN

(11) Publication number:

2004066638 A

(43) Date of publication of application: 04.03.2004

(51) Int. CI

B32B 5/18

C08J 9/00 // C08L101:00

(21) Application number:

2002229201

(22) Date of filing:

06.08.2002

(71) Applicant: OJI PAPER CO LTD

(72) Inventor: JINNO FUMIO

(54) TRANSPARENT HEAT INSULATION SHEET

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a transparent heat insulation sheet which shows high transparency and outstanding heat insulating properties and for example, reduces heat radiation when used for a windowpane and does not impair the see-through of the windowpane.

SOLUTION: This transparent heat insulation sheet is formed of an expanded resin which contains a vacancy with an average vacancy diameter of not more than 50 nm and has voids of 10 to 95 vol%. In addition, the expanded resin preferably has a glass transition temperature of not less than 50°C and the light transmittance of the transparent heat insulation sheet is not less than 70% with a heat conductivity of not more than 0.2 W/mK.

COPYRIGHT: (C)2004,JPO

